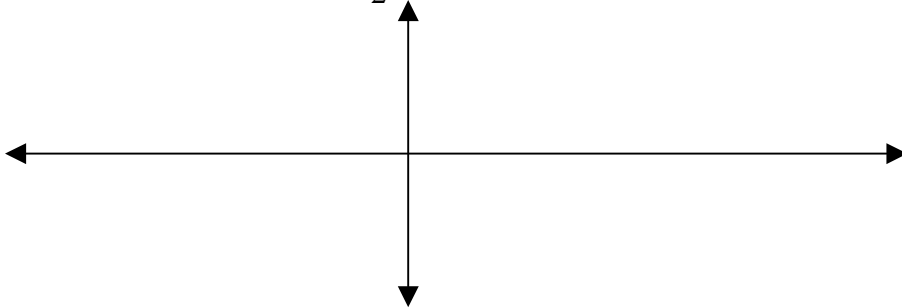


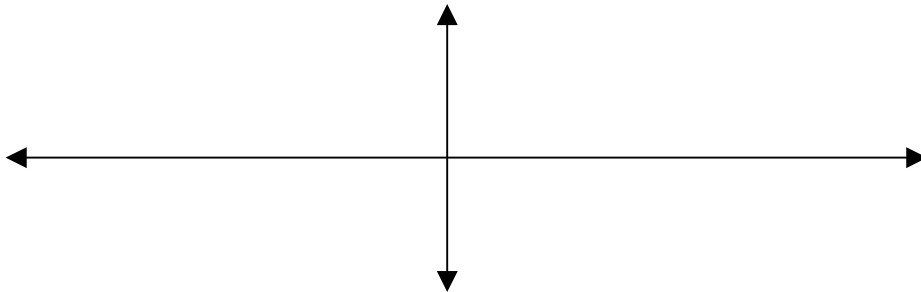
**162 Quiz 8**

Name \_\_\_\_\_

1. Sketch the graph of  $y = \sin x$  over the interval  $[-2\pi, 2\pi]$ , labeling the points on the  $x$ -axis at intervals of length  $\frac{\pi}{2}$ .



2. Sketch the graph of  $y = \cos x$  over the same interval, again labeling the points at intervals of length  $\frac{\pi}{2}$ .



3. For the function given by the equation  $y = 4 \sin(2\pi x)$ , find the period and amplitude. Then state, as precisely as you can, what it means for the function to have the period and amplitude you found.